# ARIZONA GAME AND FISH DEPARTMENT HABITAT PARTNERSHIP PROGRAM HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL

PROJECT INFORMATION				
Project Title: Collection relocation 863		Project No. 10-402		
Region/GMU: 40B West	HPC:			
Project Type: Collection Point Improvement				
Project Description: Establish a new collection point with existing and new components in a smaller drainage that will be less prone to silt clogging.				
Wildlife Species to Benefit: Bighorn sheep will benefit from increased water availability.				
Possible Funding Partners: YVR&GC				
Implementation Schedule: January 2012 Beginning: January 2012 Completed: March 2012	NEPA Compliance: (if applicable) Completed: YesX No Projected Completion Date:			
PROJECT		Dute		
SBG Funds Requested: \$7,500	101(211(0			
Cost Share Funds: \$3,500				
Total Project Costs: \$11,000				
PARTICIPANT INFORMATION				
Applicant: Scott Fischer (please print) Telephone: 928-329-6517	Address: 9140 E. 28 <sup>th</sup> Street, Yuma			
AGFD Contact and Phone No. (If applicant is not AGFD personnel)				
Coordinated with: Joe Currie	Dat	te: Summer 2010		
Applicant's signature:		Date: August 27, 2010		
CEND COMPLETE	D ADDI ICATIONS TO			

#### **SEND COMPLETED APPLICATIONS TO:**

**Game Branch AZ** Game and Fish Dept. 5000 W. Carefree Highway Phoenix, AZ 85086

WAS PROJECT PRESENTED TO THE LOCAL HPC?	YES _	_X	NO

# HAS PROJECT BEEN SUBMITTED IN PREVIOUS YEARS? IF SO WAS IT FUNDED? NO.

# **NEED STATEMENT/PROBLEM ANALYSIS:**

The original collection point is a large dam (approximately 10') with a collection pipe at the base and top of the dam. The drainage is very deep and flows a high volume of sediment. It has become silted in over the years and does not collect water during rains. Digging out the current collection point would be extremely labor intensive costing more than establishing a new site. A smaller drainage on the opposite side of the tank will more reliably flow water due to watershed characteristics. Water hauling to this tank is very expensive and time intensive due to the location necessitating Helicopter water hauling and Air Force airspace coordination.

#### **PROJECT OBJECTIVES:**

Create a new collection point with a large horizontal screen over the intake and silt trap upstream of the dam. The new collection point system will be self cleaning and the sediment collects in front of the dam preventing clogging. The new site was chosen on the basis of sheet flow characteristic minimizing the probability of sedimentation problems that exist with the current collection point. Existing pipe and fixtures can be re-used to convey the water to the existing storage tank. We also expect to reduce the likelihood of hauling water to the catchment by increasing the watershed that is available at the new collection point.

# PROJECT STRATEGIES:

Construct a dam using concrete and onsite material along with pipe harvested from the old collection point as conveyance.

PROJECT LOCATION: 32<sup>0</sup> 34.380' N, 113<sup>0</sup> 37.807' W // T10S R13W Sec 8 SE NW 1/4 NW 1/4 SE 1/4

LAND OWNERSHIP AT PROJECT SITE (Please state specifically if PRIVATE PROPERTY and provide landowner's name): DOD Air Force

IF PRIVATE PROPERTY, IS THERE A STEWARDSHIP AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?

# HABITAT DESCRIPTION:

Sonoran Desert, Lower Colorado Subdivision.

#### **ITEMIZED USE OF FUNDS:**

**Helicopter Time =** \$7,500 (Price per John Hervert 4-26-10)

Volunteer Labor = \$3,000

Misc Material = \$500 (donated by YVR&GC) cement, tools, etc.

# LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

Yuma Valley Rod and Gun Club will provide equipment and volunteer manpower.

# PROJECT MONITORING PLAN:

Scott Fischer (WM) will maintain the system according to Region IV maintenance protocol. Checked monthly during the summer season and at least once during the cool season.

# **PROJECT MAINTENANCE:**

If water hauling is required, Region IV personnel will take the lead and insure it gets done. Minor maintenance such as cleaning the silt trap, removing organic matter and measuring the water level will be accomplished by Scott.

#### PROJECT COMPLETION REPORT TO BE FILED BY:

Scott Fischer, Wildlife Manager III 40B West

**WATER DEVELOPMENT PROJECTS (see attached worksheet):** 

TREE SHEARING (AGRA-AXE, PUSH) PROJECTS (see attached worksheet):

# ARIZONA GAME AND FISH DEPARTMENT WATER DEVELOPMENT WORKSHEET

PR	OJECT NAME: 863		
1)	Is the water development listed as a priority in the most recent "Wildlife Water Development Annual Implementation Schedule?" Yes.		
2)	Please list the Development Branch personnel and date coordinated with for this project. Ed Jahrke, Summer 2010.		
3)	What is the estimated annual inches of precipitation for the area? (mark one)  X 2-4 4-6 6-8 8-10 10-12 12-14 14-16 >16		
4)	Is there a perennial water source available to big game within four miles of this project?  YES (please complete #5 below) X NO (skip #5 below)		
5)	For the accessible, perennial water source nearest this project:  Name of water source:  Type of water source (catchment, spring, dirt tank, etc.):  Ownership of water source:  Distance in miles from project:		
<b>6</b> )	Is the target wildlife species a result of transplant efforts?YESX_NO		
7)	Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument, etc). If private land, list landowner. No. DOD Air Force		
8)	Please provide the following information about access to the proposed site:  Type of access (mark one):2x4 vehicles4x4 only _X_foot only**  **If foot access only: Distance in miles: .75 Approx. hiking time: 30 - 45 Minutes  Does access to this site require crossing private or tribal lands?YES _X_NO  9) Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.  One concrete dam consisting of six bags of Portland Cement using onsite materials, Three inch steel pipe		
	harvested from the previous collection point.  10) Was a site visit completed? X Yes No If Yes, please list personnel that attended and date. Michael Sumner (AZGFD), Richard Whittle (USAF) Summer 2010.		